BRUHAT BANGALORE MAHANAGARA PALIKE

Improvements to roads of 12th to 18th cross Right side of jakkur layout in ward No. 07 Byatarayanapura.

PDC – **MEASUREMENTS SHEETS**

[Pick the date]

Estimate cost: ~~48.50~~ **lakhs**

Ward 7 byatarayanapura

KRIDL

007-18-000046

1st & final

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads of 12th to 18th cross Right side of jakkur layout in ward No. 07 Byatarayanapura.

Measurements Taken On :

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.01		Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		For RCC Drain							
		7th Cross Road							
0	15		Cum	1	15.00	0.95	0.85	12.11	
15	30		Cum	1	15.00	0.95	0.85	12.11	
30	45		Cum	1	15.00	0.95	0.85	12.11	
45	60		Cum	1	15.00	0.95	0.85	12.11	
60	75		Cum	1	15.00	0.95	0.85	12.11	
75	90		Cum	1	15.00	0.95	0.85	12.11	
90	105		Cum	1	15.00	0.95	0.85	12.11	
105	120		Cum	1	15.00	0.95	0.85	12.11	
120	138		Cum	1	18.00	0.95	0.85	14.54	
		10th B cross Road							
		LHS							
0	15		Cum	1	15.00	0.95	0.85	12.11	
15	35		Cum	1	20.00	0.95	0.85	16.15	
		RHS							
0	15		Cum	1	15.00	0.95	0.85	12.11	
15	35		Cum	1	20.00	0.95	0.85	16.15	
		12th A Cross Road							
		LHS							
0	15		Cum	1	15.00	0.95	0.85	12.11	
15	30		Cum	1	15.00	0.95	0.85	12.11	
30	45		Cum	1	15.00	0.95	0.85	12.11	
45	60		Cum	1	15.00	0.95	0.85	12.11	
60	75		Cum	1	15.00	0.95	0.85	12.11	
75	90		Cum	1	15.00	0.95	0.85	12.11	
90	104		Cum	1	14.00	0.95	0.85	11.31	
		RHS							
0	15		Cum	1	15.00	0.95	0.85	12.11	
15	30		Cum	1	15.00	0.95	0.85	12.11	
30	45		Cum	1	15.00	0.95	0.85	12.11	
45	60		Cum	1	15.00	0.95	0.85	12.11	
60	75		Cum	1	15.00	0.95	0.85	12.11	
75	90		Cum	1	15.00	0.95	0.85	12.11	
90	104		Cum	1	14.00	0.95	0.85	11.31	
							TOTAL	**335.92**	
							Quantity Limited to	**245.48**	

30/1/2023

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.02		Providing and laying in position Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.46cum, machine mixed, Concrete Laid in layers not exceding 15cms thick well compacted, in foudation . including ost of all materials labour HOM of machinery curing complete as per Specification and as per the directions of the Engineer-in-charge of the work .							
		7th Cross Road							
0	15		Cum	1	15.00	0.95	0.10	1.43	
15	30		Cum	1	15.00	0.95	0.10	1.43	
30	45		Cum	1	15.00	0.95	0.10	1.43	
45	60		Cum	1	15.00	0.95	0.10	1.43	
60	75		Cum	1	15.00	0.95	0.10	1.43	
75	90		Cum	1	15.00	0.95	0.10	1.43	
90	105		Cum	1	15.00	0.95	0.10	1.43	
105	120		Cum	1	15.00	0.95	0.10	1.43	
120	138		Cum	1	18.00	0.95	0.10	1.71	
		10th B cross Road							
		LHS							
0	15		Cum	1	15.00	0.95	0.10	1.43	
15	35		Cum	1	20.00	0.95	0.10	1.90	
		RHS							
0	15		Cum	1	15.00	0.95	0.10	1.43	
15	35		Cum	1	20.00	0.95	0.10	1.90	
		12th A Cross Road							
		LHS							
0	15		Cum	1	15.00	0.95	0.10	1.43	
15	30		Cum	1	15.00	0.95	0.10	1.43	
30	45		Cum	1	15.00	0.95	0.10	1.43	
45	60		Cum	1	15.00	0.95	0.10	1.43	
60	75		Cum	1	15.00	0.95	0.10	1.43	
75	90		Cum	1	15.00	0.95	0.10	1.43	
90	104		Cum	1	14.00	0.95	0.10	1.33	
		RHS							
0	15		Cum	1	15.00	0.95	0.10	1.43	
15	30		Cum	1	15.00	0.95	0.10	1.43	
30	45		Cum	1	15.00	0.95	0.10	1.43	
45	60		Cum	1	15.00	0.95	0.10	1.43	
60	75		Cum	1	15.00	0.95	0.10	1.43	
75	90		Cum	1	15.00	0.95	0.10	1.43	
90	104		Cum	1	14.00	0.95	0.10	1.33	
							TOTAL	39.52	
							Quantity Limited to	28.88	

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Divisi

Bruhat Bangalore Mahar

Bangalore - 56

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.03		Providing and removing centering, shuttering, strutting, propping etc., for Columns , pillers, post and Struts, square / rectangular /polygon in plan including cost of all materials, labour complete as per specification and as per the directions of the Engineer-in-charge of the work .							
		7th Cross Road							
0	15		Sqm	4	15.00		0.6	36.00	
15	30		Sqm	4	15.00		0.6	36.00	
30	45		Sqm	4	15.00		0.6	36.00	
45	60		Sqm	4	15.00		0.6	36.00	
60	75		Sqm	4	15.00		0.6	36.00	
75	90		Sqm	4	15.00		0.6	36.00	
90	105		Sqm	4	15.00		0.6	36.00	
105	120		Sqm	4	15.00		0.6	36.00	
120	138		Sqm	4	18.00		0.6	43.20	
		10th B cross Road							
		LHS							
0	15		Sqm	4	15.00		0.6	36.00	
15	35		Sqm	4	20.00		0.6	48.00	
		RHS							
0	15		Sqm	4	15.00		0.6	36.00	
15	35		Sqm	4	20.00		0.6	48.00	
		12th A Cross Road							
		LHS							
0	15		Sqm	4	15.00		0.6	36.00	
15	30		Sqm	4	15.00		0.6	36.00	
30	45		Sqm	4	15.00		0.6	36.00	
45	60		Sqm	4	15.00		0.6	36.00	
60	75		Sqm	4	15.00		0.6	36.00	
75	90		Sqm	4	15.00		0.6	36.00	
90	104		Sqm	4	14.00		0.6	33.60	
		RHS							
0	15		Sqm	4	15.00		0.6	36.00	
15	30		Sqm	4	15.00		0.6	36.00	
30	45		Sqm	4	15.00		0.6	36.00	
45	60		Sqm	4	15.00		0.6	36.00	
60	75		Sqm	4	15.00		0.6	36.00	
75	90		Sqm	4	15.00		0.6	36.00	
90	104		Sqm	4	14.00		0.6	33.60	
							TOTAL	998.40	
							Quantity Limited to	729.60	
Item no.04		Providing and laying in position reinforced cement concrete of Design mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed-2008 machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals,rataing walls, return walls, walls (any thickness) including attached pilasters, columns pillers posts, struts, buttresses, bed nlocks, anchor blocks & plinths etc, including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specification and as per the directions of the Engineer-in-charge of the work							
		For RCC drain							

Assistant Executive Engineer

Contactor

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Bottom Slab							
		7th Cross Road							
0	15		Cum	1	15.00	0.75	0.15	1.69	
15	30		Cum	1	15.00	0.75	0.15	1.69	
30	45		Cum	1	15.00	0.75	0.15	1.69	
45	60		Cum	1	15.00	0.75	0.15	1.69	
60	75		Cum	1	15.00	0.75	0.15	1.69	
75	90		Cum	1	15.00	0.75	0.15	1.69	
90	105		Cum	1	15.00	0.75	0.15	1.69	
105	120		Cum	1	15.00	0.75	0.15	1.69	
120	138		Cum	1	18.00	0.75	0.15	2.03	
		10th B cross Road							
		LHS							
0	15		Cum	1	15.00	0.75	0.15	1.69	
15	35		Cum	1	20.00	0.75	0.15	2.25	
		RHS							
0	15		Cum	1	15.00	0.75	0.15	1.69	
15	35		Cum	1	20.00	0.75	0.15	2.25	
		12th A Cross Road							
		LHS							
0	15		Cum	1	15.00	0.75	0.15	1.69	
15	30		Cum	1	15.00	0.75	0.15	1.69	
30	45		Cum	1	15.00	0.75	0.15	1.69	
45	60		Cum	1	15.00	0.75	0.15	1.69	
60	75		Cum	1	15.00	0.75	0.15	1.69	
75	90		Cum	1	15.00	0.75	0.15	1.69	
90	104		Cum	1	14.00	0.75	0.15	1.58	
		RHS							
0	15		Cum	1	15.00	0.75	0.15	1.69	
15	30		Cum	1	15.00	0.75	0.15	1.69	
30	45		Cum	1	15.00	0.75	0.15	1.69	
45	60		Cum	1	15.00	0.75	0.15	1.69	
60	75		Cum	1	15.00	0.75	0.15	1.69	
75	90		Cum	1	15.00	0.75	0.15	1.69	
90	104		Cum	1	14.00	0.75	0.15	1.58	

46.87

Contactor

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanag
Bangalore - 560 0

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Side Wall & 7th Cross Road							
0	15		Cum	2	15.00	0.15	0.6	2.70	
15	30		Cum	2	15.00	0.15	0.6	2.70	
30	45		Cum	2	15.00	0.15	0.6	2.70	
45	60		Cum	2	15.00	0.15	0.6	2.70	
60	75		Cum	2	15.00	0.15	0.6	2.70	
75	90		Cum	2	15.00	0.15	0.6	2.70	
90	105		Cum	2	15.00	0.15	0.6	2.70	
105	120		Cum	2	15.00	0.15	0.6	2.70	
120	138		Cum	2	18.00	0.15	0.6	3.24	
		10th B cross Road							
		LHS							
0	15		Cum	2	15.00	0.15	0.6	2.70	
15	35		Cum	2	20.00	0.15	0.6	3.60	
		RHS							
0	15		Cum	2	15.00	0.15	0.6	2.70	
15	35		Cum	2	20.00	0.15	0.6	3.60	
		12th A Cross Road							
		LHS							
0	15		Cum	2	15.00	0.15	0.6	2.70	
15	30		Cum	2	15.00	0.15	0.6	2.70	
30	45		Cum	2	15.00	0.15	0.6	2.70	
45	60		Cum	2	15.00	0.15	0.6	2.70	
60	75		Cum	2	15.00	0.15	0.6	2.70	
75	90		Cum	2	15.00	0.15	0.6	2.70	
90	104		Cum	2	14.00	0.15	0.6	2.52	
		RHS							
0	15		Cum	2	15.00	0.15	0.6	2.70	
15	30		Cum	2	15.00	0.15	0.6	2.70	
30	45		Cum	2	15.00	0.15	0.6	2.70	
45	60		Cum	2	15.00	0.15	0.6	2.70	
60	75		Cum	2	15.00	0.15	0.6	2.70	
75	90		Cum	2	15.00	0.15	0.6	2.70	
90	104		Cum	2	14.00	0.15	0.6	2.52	
							TOTAL	121.68	
							Quantity Limited to	88.92	
Item no.05		Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per drawing and the directions of Engineer in-charge.							
		From Calculation						5.50	
							TOTAL	5.50	
							Quantity Limited to	4.90	

Cente 74.88 / 2

Executive Engineer

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.06		Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete capacity M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.							
		7th Cross Road							
0	15		Sqm	1	15.00	0.75		11.25	
15	30		Sqm	1	15.00	0.75		11.25	
30	45		Sqm	1	15.00	0.75		11.25	
45	60		Sqm	1	15.00	0.75		11.25	
60	75		Sqm	1	15.00	0.75		11.25	
75	90		Sqm	1	15.00	0.75		11.25	
90	105		Sqm	1	15.00	0.75		11.25	
105	120		Sqm	1	15.00	0.75		11.25	
120	138		Sqm	1	18.00	0.75		13.50	
		10th B cross Road							
		LHS							
0	15		Sqm	1	15.00	0.75		11.25	
15	35		Sqm	1	20.00	0.75		15.00	
		RHS							
0	15		Sqm	1	15.00	0.75		11.25	
15	35		Sqm	1	20.00	0.75		15.00	
		12th A Cross Road							
		LHS							
0	15								
15	30		Sqm	1	15.00	0.75		11.25	
30	45		Sqm	1	15.00	0.75		11.25	
45	60		Sqm	1	15.00	0.75		11.25	
60	75		Sqm	1	15.00	0.75		11.25	
75	90		Sqm	1	15.00	0.75		11.25	
90	104		Sqm	1	14.00	0.75		10.50	
		RHS							
0	15		Sqm	1	15.00	0.75		11.25	
15	30		Sqm	1	15.00	0.75		11.25	
30	45		Sqm	1	15.00	0.75		11.25	
45	60		Sqm	1	15.00	0.75		11.25	
60	75		Sqm	1	15.00	0.75		11.25	
75	90		Sqm	1	15.00	0.75		11.25	
90	104		Sqm	1	14.00	0.75		10.50	
							TOTAL	300.75	
							Quantity Limited to	228.00	

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC

Assistant Engineer

Assistant Executive Engi

Kodigehalli Sub D

Bruhat Bangalore M

Assistant Executive Engineer, R.R. Naga KRIDL, BB

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.07		Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		For asphalt road, Bad reach							
		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
4	15		cum	1	11.00	1.00	0.20	2.20	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	0.80	0.20	2.40	
45	60		cum	1	15.00	1.10	0.20	3.30	
60	75		cum	1	15.00	0.90	0.20	2.70	
75	90		cum	1	15.00	1.30	0.20	3.90	
90	105		cum	1	15.00	0.50	0.20	1.50	
105	120		cum	1	15.00	0.90	0.20	2.70	
120	135		cum	1	15.00	1.10	0.20	3.30	
135	150		cum	1	15.00	0.75	0.20	2.25	
150	165		cum	1	15.00	1.20	0.20	3.60	
165	180		cum	1	15.00	0.90	0.20	2.70	
180	210		cum	1	30.00	1.00	0.20	6.00	
210	240		cum	1	30.00	1.10	0.20	6.60	
240	258		cum	1	18.00	0.90	0.20	3.24	
258	288		cum	1	30.00	1.30	0.20	7.80	
288	318		cum	1	30.00	0.60	0.20	3.60	
318	348		cum	1	30.00	0.90	0.20	5.40	
348	364		cum	1	15.80	1.00	0.20	3.16	
		7th Cross Road							
5	15		cum	1	10.00	1.00	0.20	2.00	
15	30		cum	1	15.00	0.80	0.20	2.40	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	1.10	0.20	3.30	
60	75		cum	1	15.00	0.60	0.20	1.80	
75	90		cum	1	15.00	1.20	0.20	3.60	
90	105		cum	1	15.00	1.00	0.20	3.00	
105	122		cum	1	17.00	0.90	0.20	3.06	
		8th B Cross Road							
2	15		cum	1	13.00	0.90	0.20	2.34	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	1.10	0.20	3.30	
45	60		cum	1	15.00	1.00	0.20	3.00	
60	75		cum	1	15.00	0.90	0.20	2.70	
75	90		cum	1	15.00	1.00	0.20	3.00	
90	105		cum	1	15.00	1.30	0.20	3.90	
105	120		cum	1	15.00	0.50	0.20	1.50	
120	135		cum	1	15.00	0.90	0.20	2.70	
135	139		cum	1	4.00	1.00	0.20	0.80	

115.05

Contractor PMC

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		9thA Cross Road							
6	15		cum	1	9.00	1.10	0.20	1.98	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	1.00	0.20	3.00	
60	75		cum	1	15.00	1.20	0.20	3.60	
75	90		cum	1	15.00	0.90	0.20	2.70	
90	97		cum	1	7.00	1.10	0.20	1.54	
		9th B Cross Road							
3	15		cum	1	12.00	0.60	0.20	1.44	
15	30		cum	1	15.00	0.80	0.20	2.40	
30	45		cum	1	15.00	1.10	0.20	3.30	
45	60		cum	1	15.00	0.90	0.20	2.70	
60	75		cum	1	15.00	1.10	0.20	3.30	
75	90		cum	1	15.00	1.00	0.20	3.00	
90	105		cum	1	15.00	0.70	0.20	2.10	
105	120		cum	1	15.00	0.90	0.20	2.70	
120	135		cum	1	15.00	0.60	0.20	1.80	
135	136		cum	1	0.50	0.80	0.20	0.08	
		9th to 8th Cross road							
0	15		cum	1	15.00	0.90	0.20	2.70	
15	27		cum	1	12.00	1.00	0.20	2.40	
		10th A Cross Road							
0	15		cum	1	15.00	0.80	0.20	2.40	
15	35		cum	1	20.00	1.20	0.20	4.80	
		10th B Cross Road							
4	15		cum	1	11.00	0.80	0.20	1.76	
15	30		cum	1	15.00	1.10	0.20	3.30	
30	45		cum	1	15.00	0.70	0.20	2.10	
45	60		cum	1	15.00	0.50	0.20	1.50	
60	75		cum	1	15.00	1.00	0.20	3.00	
75	90		cum	1	14.60	0.90	0.20	2.63	
		12th Cross Road							
2	15		cum	1	13.00	0.70	0.20	1.82	
16	30		cum	1	14.00	1.00	0.20	2.80	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	0.50	0.20	1.50	
60	75		cum	1	15.00	0.80	0.20	2.40	
75	90		cum	1	15.00	0.60	0.20	1.80	
90	96		cum	1	6.00	0.70	0.20	0.84	80.57
							Total	**195.64**	

13/2/2020

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub
Bruhat Bangalore
Bangalore

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.08		Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specificationsand as per drawing and the directions of Engineer in-charge.							
		For asphalt road, Bad reach							
		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
4	15		cum	1	11.00	1.00	0.20	2.20	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	0.80	0.20	2.40	
45	60		cum	1	15.00	1.10	0.20	3.30	
60	75		cum	1	15.00	0.90	0.20	2.70	
75	90		cum	1	15.00	1.30	0.20	3.90	
90	105		cum	1	15.00	0.50	0.20	1.50	
105	120		cum	1	15.00	0.90	0.20	2.70	
120	135		cum	1	15.00	1.10	0.20	3.30	
135	150		cum	1	15.00	0.75	0.20	2.25	
150	165		cum	1	15.00	1.20	0.20	3.60	
165	180		cum	1	15.00	0.90	0.20	2.70	
180	210		cum	1	30.00	1.00	0.20	6.00	
210	240		cum	1	30.00	1.10	0.20	6.60	
240	258		cum	1	18.00	0.90	0.20	3.24	
258	288		cum	1	30.00	1.30	0.20	7.80	
288	318		cum	1	30.00	0.60	0.20	3.60	
318	348		cum	1	30.00	0.90	0.20	5.40	
348	364		cum	1	15.80	1.00	0.20	3.16	
		7th Cross Road							
5	15		cum	1	10.00	1.00	0.20	2.00	
15	30		cum	1	15.00	0.80	0.20	2.40	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	1.10	0.20	3.30	
60	75		cum	1	15.00	0.60	0.20	1.80	
75	90		cum	1	15.00	1.20	0.20	3.60	
90	105		cum	1	15.00	1.00	0.20	3.00	
105	122		cum	1	17.00	0.90	0.20	3.06	
		8th B Cross Road							
2	15		cum	1	13.00	0.90	0.20	2.34	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	1.10	0.20	3.30	
45	60		cum	1	15.00	1.00	0.20	3.00	
60	75		cum	1	15.00	0.90	0.20	2.70	
75	90		cum	1	15.00	1.00	0.20	3.00	
90	105		cum	1	15.00	1.30	0.20	3.90	
105	120		cum	1	15.00	0.50	0.20	1.50	
120	135		cum	1	15.00	0.90	0.20	2.70	
135	139		cum	1	4.00	1.00	0.20	0.80	

115.05

Executive Engineer

Contractor

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		9thA Cross Road							
6	15		cum	1	9.00	1.10	0.20	1.98	
15	30		cum	1	15.00	0.60	0.20	1.80	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	1.00	0.20	3.00	
60	75		cum	1	15.00	1.20	0.20	3.60	
75	90		cum	1	15.00	0.90	0.20	2.70	
90	97		cum	1	7.00	1.10	0.20	1.54	
		9th B Cross Road							
3	15		cum	1	12.00	0.60	0.20	1.44	
15	30		cum	1	15.00	0.80	0.20	2.40	
30	45		cum	1	15.00	1.10	0.20	3.30	
45	60		cum	1	15.00	0.90	0.20	2.70	
60	75		cum	1	15.00	1.10	0.20	3.30	
75	90		cum	1	15.00	1.00	0.20	3.00	
90	105		cum	1	15.00	0.70	0.20	2.10	
105	120		cum	1	15.00	0.90	0.20	2.70	
120	135		cum	1	15.00	0.60	0.20	1.80	
135	136		cum	1	0.50	0.80	0.20	0.08	
		9th to 8th Cross road							
0	15		cum	1	15.00	0.90	0.20	2.70	
15	27		cum	1	12.00	1.00	0.20	2.40	
		10th A Cross Road							
0	15		cum	1	15.00	0.80	0.20	2.40	
15	35		cum	1	20.00	1.20	0.20	4.80	
		10th B Cross Road							
4	15		cum	1	11.00	0.80	0.20	1.76	
15	30		cum	1	15.00	1.10	0.20	3.30	
30	45		cum	1	15.00	0.70	0.20	2.10	
45	60		cum	1	15.00	0.50	0.20	1.50	
60	75		cum	1	15.00	1.00	0.20	3.00	
75	90		cum	1	14.60	0.90	0.20	2.63	
		12th Cross Road							
2	15		cum	1	13.00	0.70	0.20	1.82	
16	30		cum	1	14.00	1.00	0.20	2.80	
30	45		cum	1	15.00	0.90	0.20	2.70	
45	60		cum	1	15.00	0.50	0.20	1.50	
60	75		cum	1	15.00	0.80	0.20	2.40	
75	90		cum	1	15.00	0.60	0.20	1.80	
90	96		cum	1	6.00	0.70	0.20	0.84	80.59
							Total	**195.64**	
							Quantity Limited to	**183.66**	

28/12/2020

Contractor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Bruhat Bangalore Mahanagara Palike

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.09		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per drawing and the directions of Engineer in-charge.							
		For asphalt road, Bad reach							
		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
4	15		Sqm	1	11.00	1.00		11.00	
15	30		Sqm	1	15.00	0.60		9.00	
30	45		Sqm	1	15.00	0.80		12.00	
45	60		Sqm	1	15.00	1.10		16.50	
60	75		Sqm	1	15.00	0.90		13.50	
75	90		Sqm	1	15.00	1.30		19.50	
90	105		Sqm	1	15.00	0.50		7.50	
105	120		Sqm	1	15.00	0.90		13.50	
120	135		Sqm	1	15.00	1.10		16.50	
135	150		Sqm	1	15.00	0.75		11.25	
150	165		Sqm	1	15.00	1.20		18.00	
165	180		Sqm	1	15.00	0.90		13.50	
180	210		Sqm	1	30.00	1.00		30.00	
210	240		Sqm	1	30.00	1.10		33.00	
240	258		Sqm	1	18.00	0.90		16.20	
258	288		Sqm	1	30.00	1.30		39.00	
288	318		Sqm	1	30.00	0.60		18.00	
318	348		Sqm	1	30.00	0.90		27.00	
348	364		Sqm	1	15.80	1.00		15.80	
		7th Cross Road							
5	15		Sqm	1	10.00	1.00		10.00	
15	30		Sqm	1	15.00	0.80		12.00	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	1.10		16.50	
60	75		Sqm	1	15.00	0.60		9.00	
75	90		Sqm	1	15.00	1.20		18.00	
90	105		Sqm	1	15.00	1.00		15.00	
105	122		Sqm	1	17.00	0.90		15.30	
		8th B Cross Road							
2	15		Sqm	1	13.00	0.90		11.70	
15	30		Sqm	1	15.00	0.60		9.00	
30	45		Sqm	1	15.00	1.10		16.50	
45	60		Sqm	1	15.00	1.00		15.00	
60	75		Sqm	1	15.00	0.90		13.50	
75	90		Sqm	1	15.00	1.00		15.00	
90	105		Sqm	1	15.00	1.30		19.50	
105	120		Sqm	1	15.00	0.50		7.50	
120	135		Sqm	1	15.00	0.90		13.50	
135	139		Sqm	1	4.00	1.00		4.00	

575.25

Executive Engineer

Contractor

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		9thA Cross Road							
6	15		Sqm	1	9.00	1.10		9.90	
15	30		Sqm	1	15.00	0.60		9.00	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	1.00		15.00	
60	75		Sqm	1	15.00	1.20		18.00	
75	90		Sqm	1	15.00	0.90		13.50	
90	97		Sqm	1	7.00	1.10		7.70	
		9th B Cross Road							
3	15		Sqm	1	12.00	0.60		7.20	
15	30		Sqm	1	15.00	0.80		12.00	
30	45		Sqm	1	15.00	1.10		16.50	
45	60		Sqm	1	15.00	0.90		13.50	
60	75		Sqm	1	15.00	1.10		16.50	
75	90		Sqm	1	15.00	1.00		15.00	
90	105		Sqm	1	15.00	0.70		10.50	
105	120		Sqm	1	15.00	0.90		13.50	
120	135		Sqm	1	15.00	0.60		9.00	
135	136		Sqm	1	0.50	0.80		0.40	
		9th to 8th Cross road							
0	15		Sqm	1	15.00	0.90		13.50	
15	27		Sqm	1	12.00	1.00		12.00	
		10th A Cross Road							
0	15		Sqm	1	15.00	0.80		12.00	
15	35		Sqm	1	20.00	1.20		24.00	
		10th B Cross Road							
4	15		Sqm	1	11.00	0.80		8.80	
15	30		Sqm	1	15.00	1.10		16.50	
30	45		Sqm	1	15.00	0.70		10.50	
45	60		Sqm	1	15.00	0.50		7.50	
60	75		Sqm	1	15.00	1.00		15.00	
75	90		Sqm	1	14.60	0.90		13.14	
		12th Cross Road							
2	15		Sqm	1	13.00	0.70		9.10	
16	30		Sqm	1	14.00	1.00		14.00	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	0.50		7.50	
60	75		Sqm	1	15.00	0.80		12.00	
75	90		Sqm	1	15.00	0.60		9.00	
90	96		Sqm	1	6.00	0.70		4.20	402.94
							Total	**978.19**	
							Quantity Limited to	**918.30**	

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.10		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
0	15		Sqm	1	15.00	5.5		82.50	
						(5.6+5.4)/2			
15	30		Sqm	1	15.00	5.55		83.25	
						(5.4+5.7)/2			
30	45		Sqm	1	15.00	5.5		82.50	
						(5.7+5..3)/2			
45	60		Sqm	1	15.00	5.3		79.50	
						(5.3+5.3)/2			
60	75		Sqm	1	15.00	5.65		84.75	
						(5.3+6)/2			
75	90		Sqm	1	15.00	6.2		93.00	
						(6+6.4)/2			
90	105		Sqm	1	15.00	5.95		89.25	
						(6.4+5.5)/2			
105	120		Sqm	1	15.00	5.7		85.50	
						(5.5+5.9)/2			
120	135		Sqm	1	15.00	5.65		84.75	
						(5.9+5.4)/2			
135	150		Sqm	1	15.00	6		90.00	
						(5.4+6.6)/2			
150	165		Sqm	1	15.00	6.6		99.00	
						(6.6+6.6)/2			
165	180		Sqm	1	15.00	6.8		102.00	
						(6.6+7)/2			
180	210		Sqm	1	30.00	8.75		262.50	
						(8.8+8.7)/2			
210	240		Sqm	1	30.00	8.75		262.50	
						(8.7+8.8)/2			
240	258		Sqm	1	18.00	9.5		171.00	
						(8.8+10.2)/2			
258	288		Sqm	1	30.00	6.8		204.00	
						(7.4+6.2)/2			
288	318		Sqm	1	30.00	6.35		190.50	
						(6.2+6.4)/2			
318	348		Sqm	1	30.00	7.75		232.50	
						(6.5+9)/2			
348	376		Sqm	1	27.50	7.7		211.75	
						(9+6.4)/2			

2590.75

Executive Engineer

Contractor

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		7th Cross Road							
0	15		Sqm	1	15.00	6.45		96.75	
						(6.6+6.3)/2			
15	30		Sqm	1	15.00	6.25		93.75	
						(6.3+6.2)/2			
30	45		Sqm	1	15.00	6.15		92.25	
						(6.2+6.1)/2			
45	60		Sqm	1	15.00	6.05		90.75	
						(6.1+6)/2			
60	75		Sqm	1	15.00	5.9		88.50	
						(6+5.8)/2			
75	90		Sqm	1	15.00	5.7		85.50	
						(5.8+5.6)/2			
90	105		Sqm	1	15.00	5.7		85.50	
						(5.6+5.8)/2			
105	128		Sqm	1	23.00	6.15		141.45	
						(5.8+6.5)/2			
		8th B Cross Road							
0	15		Sqm	1	15.00	4.25		63.75	
						(4.3+4.2)/2			
15	30		Sqm	1	15.00	4.1		61.50	
						(4.2+4)/2			
30	45		Sqm	1	15.00	4		60.00	
						(4+4)/2			
45	60		Sqm	1	15.00	4		60.00	
						(4+4)/2			
60	75		Sqm	1	15.00	3.55		53.25	
						(4+3.1)/2			
75	90		Sqm	1	15.00	5.17		77.50	
						(3.1+6.1+6.3)/3			
90	105		Sqm	1	15.00	5.85		87.75	
						(6.3+5.4)/2			
105	120		Sqm	1	15.00	5.55		83.25	
						(5.4+5.7)/2			
120	135		Sqm	1	15.00	5.9		88.50	
						(5.7+6.1)/2			
135	145		Sqm	1	9.50	5.6		53.20	
						(6.1+5.1)/2			
		9thA Cross Road							
0	15		Sqm	1	15.00	6.8		102.00	
						(6.9+6.7)/2			
15	30		Sqm	1	15.00	6.65		99.75	
						(6.7+6.6)/2			
30	45		Sqm	1	15.00	6.15		92.25	
						(6.6+5.7)/2			
45	60		Sqm	1	15.00	5.3		79.50	
						(5.7+4.9)/2			
60	75		Sqm	1	15.00	5.55		83.25	
						(4.9+6.2)/2			
75	90		Sqm	1	15.00	6.4		96.00	
						(6.2+6.6)/2			
90	106		Sqm	1	15.50	6.7		103.85	
						(6.6+6.8)/2			

2119.75

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		9th B Cross Road							
0	15		Sqm	1	15.00	6.85		102.75	
						(6.8+6.9)/2			
15	30		Sqm	1	15.00	6.25		93.75	
						(6.9+5.6)/2			
30	45		Sqm	1	15.00	5.85		87.75	
						(5.6+6.1)/2			
45	60		Sqm	1	15.00	4.8		72.00	
						(6.1+3.5)/2			
60	75		Sqm	1	15.00	4.05		60.75	
						(3.5+4.6)/2			
75	90		Sqm	1	15.00	4.65		69.75	
						(4.6+4.7)/2			
90	105		Sqm	1	15.00	4.65		69.75	
						(4.7+4.6)/2			
105	120		Sqm	1	15.00	4.65		69.75	
						(4.6+4.7)/2			
120	135		Sqm	1	15.00	5.4		81.00	
						(4.7+6.1)/2			
135	144		Sqm	1	8.90	5.55		49.40	
						(6.1+5)/2			
		9th to 8th Cross road							
0	15		Sqm	1	15.00	4.45		66.75	
						(4.4+4.5)/2			
15	27		Sqm	1	12.00	4.3		51.60	
						(4.5+4.1)/2			
		10th A Cross Road							
0	15		Sqm	1	15.00	6.1		91.50	
						(5.4+6.8)/2			
15	35		Sqm	1	20.00	6.8		136.00	
						(6.8+6.8)/2			
		10th B Cross Road				0			
0	15		Sqm	1	15.00	6.75		101.25	
						(6.3+7.2)/2			
15	30		Sqm	1	15.00	6.9		103.50	
						(7.2+6.6)/2			
30	45		Sqm	1	15.00	6.6		99.00	
						(6.6+6.6)/2			
45	60		Sqm	1	15.00	6.4		96.00	
						(6.6+6.2)/2			
60	75		Sqm	1	15.00	6.25		93.75	
						(6.2+6.3)/2			
75	94		Sqm	1	19.20	6.3		120.96	
						(6.3+6.3)/2			

1716.96

Executive Engineer
Division
anagara Palike
60 092

Contactor

Assistant Executive Engineer,
R.R. Nagar, Sub-division, PMC
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		12th Cross Road				0			
0	15		Sqm	1	15.00	7.45		111.75	
						(8+6.9)/2			
15	30		Sqm	1	15.00	6.75		101.25	
						(6.9+6.6)/2			
30	45		Sqm	1	15.00	6.9		103.50	
						(6.6+7.2)/2			
45	60		Sqm	1	15.00	6.6		99.00	
						(7.2+6)/2			
60	75		Sqm	1	15.00	6.05		90.75	
						(6+6.1)/2			
75	90		Sqm	1	15.00	6.3		94.50	
						(6.1+6.5)/2			
90	104		Sqm	1	13.50	6.5		87.75	688.5
						(6.5+6.5)/2			
							Total	7115.96	
							Quantity Limited to	6672.50	

Item no.11	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and the directions of Engineer in-charge.

		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
0	15		Sqm	1	15.00	5.5		82.50	
						(5.6+5.4)/2			
15	30		Sqm	1	15.00	5.55		83.25	
						(5.4+5.7)/2			
30	45		Sqm	1	15.00	5.5		82.50	
						(5.7+5..3)/2			
45	60		Sqm	1	15.00	5.3		79.50	
						(5.3+5.3)/2			
60	75		Sqm	1	15.00	5.65		84.75	
						(5.3+6)/2			
75	90		Sqm	1	15.00	6.2		93.00	
						(6+6.4)/2			
90	105		Sqm	1	15.00	5.95		89.25	
						(6.4+5.5)/2			
105	120		Sqm	1	15.00	5.7		85.50	
						(5.5+5.9)/2			
120	135		Sqm	1	15.00	5.65		84.75	
						(5.9+5.4)/2			
135	150		Sqm	1	15.00	6		90.00	
						(5.4+6.6)/2			
150	165		Sqm	1	15.00	6.6		99.00	
						(6.6+6.6)/2			
165	180		Sqm	1	15.00	6.8		102.00	
						(6.6+7)/2			
180	210		Sqm	1	30.00	8.75		262.50	
						(8.8+8.7)/2			

1318.5

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P...
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
210	240		Sqm	1	30.00	8.75		262.50	
						(8.7+8.8)/2			
240	258		Sqm	1	18.00	9.5		171.00	
						(8.8+10.2)/2			
258	288		Sqm	1	30.00	6.8		204.00	
						(7.4+6.2)/2			
288	318		Sqm	1	30.00	6.35		190.50	
						(6.2+6.4)/2			
318	348		Sqm	1	30.00	7.75		232.50	
						(6.5+9)/2			
348	376		Sqm	1	27.50	7.7		211.75	
						(9+6.4)/2			
		7th Cross Road							
0	15		Sqm	1	15.00	6.45		96.75	
						(6.6+6.3)/2			
15	30		Sqm	1	15.00	6.25		93.75	
						(6.3+6.2)/2			
30	45		Sqm	1	15.00	6.15		92.25	
						(6.2+6.1)/2			
45	60		Sqm	1	15.00	6.05		90.75	
						(6.1+6)/2			
60	75		Sqm	1	15.00	5.9		88.50	
						(6+5.8)/2			
75	90		Sqm	1	15.00	5.7		85.50	
						(5.8+5.6)/2			
90	105		Sqm	1	15.00	5.7		85.50	
						(5.6+5.8)/2			
105	128		Sqm	1	23.00	6.15		141.45	
						(5.8+6.5)/2			
		8th B Cross Road							
0	15		Sqm	1	15.00	4.25		63.75	
						(4.3+4.2)/2			
15	30		Sqm	1	15.00	4.1		61.50	
						(4.2+4)/2			
30	45		Sqm	1	15.00	4		60.00	
						(4+4)/2			
45	60		Sqm	1	15.00	4		60.00	
						(4+4)/2			
60	75		Sqm	1	15.00	3.55		53.25	
						(4+3.1)/2			
75	90		Sqm	1	15.00	5.2		77.50	
						(3.1+6.1+6.3)/3			
90	105		Sqm	1	15.00	5.85		87.75	
						(6.3+5.4)/2			
105	120		Sqm	1	15.00	5.55		83.25	
						(5.4+5.7)/2			
120	135		Sqm	1	15.00	5.9		88.50	
						(5.7+6.1)/2			
135	145		Sqm	1	9.50	5.6		53.20	
						(6.1+5.1)/2			
								2735.4	

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		9thA Cross Road							
0	15		Sqm	1	15.00	6.8		102.00	
						(6.9+6.7)/2			
15	30		Sqm	1	15.00	6.65		99.75	
						(6.7+6.6)/2			
30	45		Sqm	1	15.00	6.15		92.25	
						(6.6+5.7)/2			
45	60		Sqm	1	15.00	5.3		79.50	
						(5.7+4.9)/2			
60	75		Sqm	1	15.00	5.55		83.25	
						(4.9+6.2)/2			
75	90		Sqm	1	15.00	6.4		96.00	
						(6.2+6.6)/2			
90	106		Sqm	1	15.50	6.7		103.85	
						(6.6+6.8)/2			
		9th B Cross Road							
0	15		Sqm	1	15.00	6.85		102.75	
						(6.8+6.9)/2			
15	30		Sqm	1	15.00	6.25		93.75	
						(6.9+5.6)/2			
30	45		Sqm	1	15.00	5.85		87.75	
						(5.6+6.1)/2			
45	60		Sqm	1	15.00	4.8		72.00	
						(6.1+3.5)/2			
60	75		Sqm	1	15.00	4.05		60.75	
						(3.5+4.6)/2			
75	90		Sqm	1	15.00	4.65		69.75	
						(4.6+4.7)/2			
90	105		Sqm	1	15.00	4.65		69.75	
						(4.7+4.6)/2			
105	120		Sqm	1	15.00	4.65		69.75	
						(4.6+4.7)/2			
120	135		Sqm	1	15.00	5.4		81.00	
						(4.7+6.1)/2			
135	144		Sqm	1	8.90	5.55		49.40	
						(6.1+5)/2			
		9th to 8th Cross road							
0	15		Sqm	1	15.00	4.45		66.75	
						(4.4+4.5)/2			
15	27		Sqm	1	12.00	4.3		51.60	
						(4.5+4.1)/2			
		10th A Cross Road							
0	15		Sqm	1	15.00	6.1		91.50	
						(5.4+6.8)/2			
15	35		Sqm	1	20.00	6.8		136.00	
						(6.8+6.8)/2			

1759.1

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rema
		10th B Cross Road							
0	15		Sqm	1	15.00	6.75		101.25	
						(6.3+7.2)/2			
15	30		Sqm	1	15.00	6.9		103.50	
						(7.2+6.6)/2			
30	45		Sqm	1	15.00	6.6		99.00	
						(6.6+6.6)/2			
45	60		Sqm	1	15.00	6.4		96.00	
						(6.6+6.2)/2			
60	75		Sqm	1	15.00	6.25		93.75	
						(6.2+6.3)/2			
75	94		Sqm	1	19.20	6.3		120.96	
						(6.3+6.3)/2			
		12th Cross Road							
0	15		Sqm	1	15.00	7.45		111.75	
						(8+6.9)/2			
15	30		Sqm	1	15.00	6.75		101.25	
						(6.9+6.6)/2			
30	45		Sqm	1	15.00	6.9		103.50	
						(6.6+7.2)/2			
45	60		Sqm	1	15.00	6.6		99.00	
						(7.2+6)/2			
60	75		Sqm	1	15.00	6.05		90.75	
						(6+6.1)/2			
75	90		Sqm	1	15.00	6.3		94.50	
						(6.1+6.5)/2			
90	104		Sqm	1	13.50	6.5		87.75	
						(6.5+6.5)/2			
							Total	7115.96	
							Quantity Limited to	6672.50	

1302.96

Item no.12	Providing and laying bituminous concrete 40mm compacted thickness with VG30 Bitumen garde using 40-60 HMP using crushed aggregates of grading ll premixed with bituminous binder at 6% of mix and filler transporting the hot mix to work site laying with a mechanical paver finisher to the required grade level and alinment, rolling with smooth wheeled, vibratory and tandem rollers to achive the desired compaction as per MoRTH specification and as per the directions of the Engineer-in-charge of the work

		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
0	15		cum	1	15.00	5.50	0.04	3.30	
						(5.6+5.4)/2			
15	30		cum	1	15.00	5.55	0.04	3.33	
						(5.4+5.7)/2			
30	45		cum	1	15.00	5.50	0.04	3.30	
						(5.7+5..3)/2			
45	60		cum	1	15.00	5.30	0.04	3.18	
						(5.3+5.3)/2			
60	75		cum	1	15.00	5.65	0.04	3.39	
						(5.3+6)/2			
75	90		cum	1	15.00	6.20	0.04	3.72	
						(6+6.4)/2			
90	105		cum	1	15.00	5.95	0.04	3.57	

93.79

Contractor

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
						(6.4+5.5)/2			
105	120		cum	1	15.00	5.70	0.04	3.42	
						(5.5+5.9)/2			
120	135		cum	1	15.00	5.65	0.04	3.39	
						(5.9+5.4)/2			
135	150		cum	1	15.00	6.00	0.04	3.60	
						(5.4+6.6)/2			
150	165		cum	1	15.00	6.60	0.04	3.96	
						(6.6+6.6)/2			
165	180		cum	1	15.00	6.80	0.04	4.08	
						(6.6+7)/2			
180	210		cum	1	30.00	8.75	0.04	10.50	
						(8.8+8.7)/2			
210	240		cum	1	30.00	8.75	0.04	10.50	
						(8.7+8.8)/2			
240	258		cum	1	18.00	9.50	0.04	6.84	
						(8.8+10.2)/2			
258	288		cum	1	30.00	6.80	0.04	8.16	
						(7.4+6.2)/2			
288	318		cum	1	30.00	6.35	0.04	7.62	
						(6.2+6.4)/2			
318	348		cum	1	30.00	7.75	0.04	9.30	
						(6.5+9)/2			
348	376		cum	1	27.50	7.70	0.04	8.47	
						(9+6.4)/2			
		7th Cross Road							
0	15		cum	1	15.00	6.45	0.04	3.87	
						(6.6+6.3)/2			
15	30		cum	1	15.00	6.25	0.04	3.75	
						(6.3+6.2)/2			
30	45		cum	1	15.00	6.15	0.04	3.69	
						(6.2+6.1)/2			
45	60		cum	1	15.00	6.05	0.04	3.63	
						(6.1+6)/2			
60	75		cum	1	15.00	5.90	0.04	3.54	
						(6+5.8)/2			
75	90		cum	1	15.00	5.70	0.04	3.42	
						(5.8+5.6)/2			
90	105		cum	1	15.00	5.70	0.04	3.42	
						(5.6+5.8)/2			
105	128		cum	1	23.00	6.15	0.04	5.66	
						(5.8+6.5)/2			
		8th B Cross Road							
0	15		cum	1	15.00	4.25	0.04	2.55	
						(4.3+4.2)/2			
15	30		cum	1	15.00	4.10	0.04	2.46	
						(4.2+4)/2			
30	45		cum	1	15.00	4.00	0.04	2.40	
						(4+4)/2			
45	60		cum	1	15.00	4.00	0.04	2.40	
						(4+4)/2			
60	75		cum	1	15.00	3.55	0.04	2.13	
						(4+3.1)/2			

129.76

Assistant Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
75	90		cum	1	15.00	5.17	0.04	3.10	
						(3.1+6.1+6.3)/3			
90	105		cum	1	15.00	5.85	0.04	3.51	
						(6.3+5.4)/2			
105	120		cum	1	15.00	5.55	0.04	3.33	
						(5.4+5.7)/2			
120	135		cum	1	15.00	5.90	0.04	3.54	
						(5.7+6.1)/2			
135	145		cum	1	9.50	5.60	0.04	2.13	
						(6.1+5.1)/2			
		9thA Cross Road							
0	15		cum	1	15.00	6.80	0.04	4.08	
						(6.9+6.7)/2			
15	30		cum	1	15.00	6.65	0.04	3.99	
						(6.7+6.6)/2			
30	45		cum	1	15.00	6.15	0.04	3.69	
						(6.6+5.7)/2			
45	60		cum	1	15.00	5.30	0.04	3.18	
						(5.7+4.9)/2			
60	75		cum	1	15.00	5.55	0.04	3.33	
						(4.9+6.2)/2			
75	90		cum	1	15.00	6.40	0.04	3.84	
						(6.2+6.6)/2			
90	106		cum	1	15.50	6.70	0.04	4.15	
						(6.6+6.8)/2			
		9th B Cross Road							
0	15		cum	1	15.00	6.85	0.04	4.11	
						(6.8+6.9)/2			
15	30		cum	1	15.00	6.25	0.04	3.75	
						(6.9+5.6)/2			
30	45		cum	1	15.00	5.85	0.04	3.51	
						(5.6+6.1)/2			
45	60		cum	1	15.00	4.80	0.04	2.88	
						(6.1+3.5)/2			
60	75		cum	1	15.00	4.05	0.04	2.43	
						(3.5+4.6)/2			
75	90		cum	1	15.00	4.65	0.04	2.79	
						(4.6+4.7)/2			
90	105		cum	1	15.00	4.65	0.04	2.79	
						(4.7+4.6)/2			
105	120		cum	1	15.00	4.65	0.04	2.79	
						(4.6+4.7)/2			
120	135		cum	1	15.00	5.40	0.04	3.24	
						(4.7+6.1)/2			
135	144		cum	1	8.90	5.55	0.04	1.98	
						(6.1+5)/2			
		9th to 8th Cross road							
0	15		cum	1	15.00	4.45	0.04	2.67	
						(4.4+4.5)/2			
15	27		cum	1	12.00	4.30	0.04	2.06	
						(4.5+4.1)/2			

76.87

Assistant Executive Engineer
Division
nanagara Palike
560 092

Contactor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore.

PMC

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		10th A Cross Road							
0	15		cum	1	15.00	6.10	0.04	3.66	
						(5.4+6.8)/2			
15	35		cum	1	20.00	6.80	0.04	5.44	
						(6.8+6.8)/2			
		10th B Cross Road							
0	15		cum	1	15.00	6.75	0.04	4.05	
						(6.3+7.2)/2			
15	30		cum	1	15.00	6.90	0.04	4.14	
						(7.2+6.6)/2			
30	45		cum	1	15.00	6.60	0.04	3.96	
						(6.6+6.6)/2			
45	60		cum	1	15.00	6.40	0.04	3.84	
						(6.6+6.2)/2			
60	75		cum	1	15.00	6.25	0.04	3.75	
						(6.2+6.3)/2			
75	94		cum	1	19.20	6.30	0.04	4.84	
						(6.3+6.3)/2			
		12th Cross Road							
0	15		cum	1	15.00	7.45	0.04	4.47	
						(8+6.9)/2			
15	30		cum	1	15.00	6.75	0.04	4.05	
						(6.9+6.6)/2			
30	45		cum	1	15.00	6.90	0.04	4.14	
						(6.6+7.2)/2			
45	60		cum	1	15.00	6.60	0.04	3.96	
						(7.2+6)/2			
60	75		cum	1	15.00	6.05	0.04	3.63	
						(6+6.1)/2			
75	90		cum	1	15.00	6.30	0.04	3.78	
						(6.1+6.5)/2			
90	104		cum	1	13.50	6.50	0.04	3.51	
						(6.5+6.5)/2			
							Total	**284.64**	
							Quantity Limited to	**266.90**	

61.22

Item No.13		**Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm aea thickness of 2.5 mm exclusive of surface applied glass beads as per IRC;35 the finished surface to be level , uniform and free from streaks and holes complete as per specification and as per the directions of the Engineer-in-charge of the work .**							
		Jakkur Layout Main Road							
		Anjaneya Temple to Dodamma Temple							
0	376		Sqm	2	375.50	0.10		75.10	
0	376		Sqm	0.5	375.50	0.10		18.78	
		7th Cross Road							
0	128		Sqm	2	128.00	0.10		25.60	
		8th B Cross Road							
0	145		Sqm	2	144.50	0.10		28.90	
		9thA Cross Road							

148.38

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	106		Sqm	2	105.50	0.10		21.10	
		9th B Cross Road							
0	144		Sqm	2	143.90	0.10		28.78	
		9th to 8th Cross road							
0	27		Sqm	2	27.00	0.10		5.40	
		10th A Cross Road							
0	35		Sqm	2	35.00	0.10		7.00	
		10th B Cross Road							
0	94		Sqm	2	94.20	0.10		18.84	
		12th Cross Road							
0	104		Sqm	2	103.50	0.10		20.70	101.82
							Total	**250.20**	
							Quantity Limited to	**244.83**	

61.22

Contactor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092